

**MULTIPOLE, PERMANENT-MAGNET ROTOR FOR A ROTATING ELECTRICAL
MACHINE, AND A METHOD FOR PRODUCING SAME**

ABSTRACT

In order to allow a rotating electrical machine, which uses a permanent-magnet rotor with a flux-concentration construction for a rated power of more than 100 kW, to be assembled as easily as possible, two mutually adjacent half-yokes of two poles as well as magnets arranged between them in each case form a pole element which can be fixed on its own on the rotor body.